

## PROJECTION ALARM CLOCK WITH *HiQ6*™ BACKLIGHT Model : RM313PNA

### User Manual

#### FEATURES

- Time display with Hour, Minutes, Seconds, Day and Date
- Day of Week displayed in English, French or Spanish
- Blue *HiQ6*™ backlight
- Alarm with 8-minute snooze
- Crescendo Alarm increases in volume and intensity
- Adjustable U.S. time zone
- One-touch time projection onto the ceiling for continuous night-time display
- Low battery indicator

#### PRODUCT OVERVIEW

Figure A

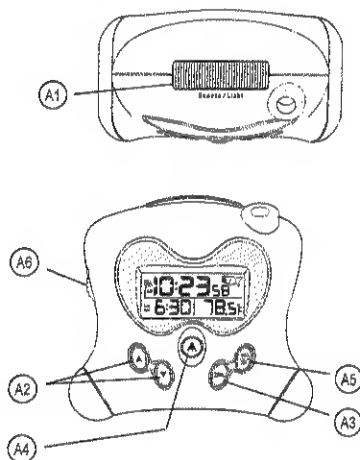


Figure B

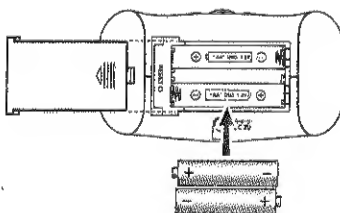
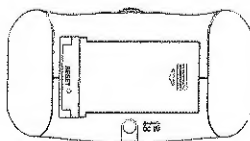


Figure C



#### BUTTON DESCRIPTIONS

(FIGURES A.1 - A.6)

##### SNOOZE (A.1)

Press **SNOOZE** to illuminate the backlight for 5 seconds, view the projected time for 5 seconds, or snooze the alarm for 8 minutes.

**NOTE** The backlight and projector work together. Both light up at the same time.

##### ▲ ARROW (A.2)

Press to increase a value, or press and hold to turn on RF clock signal reception from the U.S. Atomic Clock in Boulder, Colorado. Refer to the Set Time and Date and Set Alarm sections for more instructions.

##### ▼ ARROW (A.2)

Press to decrease a value.

##### ZONE (A.3)

Press to select the U.S. Time Zone. Once the desired zone is highlighted, the clock will automatically adjust the time.

Press and hold for 2 seconds to turn off the RF clock signal reception from the U.S. Atomic Clock in Boulder, Colorado.

##### ☞ ALARM (A.4)

Press to turn the alarm on or off. Refer to the Set Alarm section for set-up instructions.

**NOTE** The alarm is activated whenever the ☞ icon shows on the display.

##### MODE / SET (A.5)

Press to view day of week or seconds, or press and hold for 3 seconds to set the time, date, and display language. Refer to the Set Time and Date section for instructions.

##### PROJECTION ON (A.6)

Slide to enable or disable continuous time projection.

**NOTE** The AC power adaptor must be plugged in for this feature to work.

#### LCD DESCRIPTIONS

##### TIME

The top line of the display shows the hours, minutes, and time zone.

##### RADIO FREQUENCY SIGNAL

The RF signal indicates the strength of U.S. Atomic Clock signals reception. To disable the signal (for example, if you wish to manually set the time), press and hold **ZONE** for 2 seconds.

##### ☞ ALARM ON

When ☞ is shown, the alarm is activated. Press ☞ to turn the alarm on or off.

##### ((••)) ALARM MODE

When ((••)) is shown, the clock is displaying the alarm time. Alarm time is displayed in hours and minutes (AM/PM).

##### MONTH / DATE

The second line of the display shows the month and date. Press **MODE/SET** to switch views.

##### US MAP

The U.S. Map indicates which Time Zone is selected. Press **ZONE** to switch between Pacific, Mountain, Central, or Eastern Time.

#### ☞ LOW BATTERY

Replace the batteries whenever ☞ is shown.

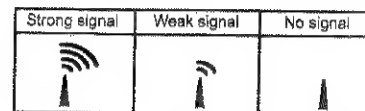
#### TEMPERATURE

The indoor temperature is shown in the lower right corner of the LCD display. Temperature is measured in °F only.

#### CLOCK

This product has two displays: Clock with day of week in English, French or Spanish, and Calendar display with month and date. The time is automatically updated by the U.S. Atomic Clock in Boulder, Colorado unless you disable this feature. Signals are collected by the main unit when it is within 932 miles (1500 km) of a signal.

Initial reception takes 2 - 10 minutes, and is initiated when you first setup the unit, and whenever you press **RESET**. Once complete, the reception icon will stop blinking. The icon is shown in the Clock Area.



To force a manual search for Atomic Clock signals, press and hold **UP** for 2 seconds. If no signal is found, check the batteries.

**NOTE** If the Atomic Clock signal is received and the hour is incorrect, use the **ZONE** button to adjust to the correct timezone (refer to the U.S. map icon).

#### PROJECTOR / BACKLIGHT

Press **SNOOZE** to activate the projector and backlight for 5 seconds.

To use the continuous projection feature, connect the AC power adaptor to a wall outlet (Figure C), and slide the **PROJECTION ON** switch (A.6) to the "On" position. Then, press **SNOOZE** to activate continuous projection.

To deactivate continuous projection, slide the **PROJECTION ON** switch to the "Off" position.

#### BATTERIES (FIGURE B)

This product operates on 2 AA-size batteries. To activate the unit, open the battery compartment and replace the batteries whenever ☞ shows on the display. Always match the correct polarity as shown in the battery compartment.

#### SET TIME AND DATE

1. Press and hold **MODE** for 3 seconds.
2. Select the hour, minutes, year, month, date, and display language. Press ▲ or ▼ to change the setting. Press **MODE** to confirm.

**NOTE** The language options are (E) English, (F) French, and (S) Spanish.


#### SET ALARM

1. Press and hold ☞ for 3 seconds.
2. Select the hour and minutes. Press ▲ or ▼ to change the setting. Press ☞ to confirm.

**NOTE** Alarm is automatically activated whenever you change the alarm time.

## TURN ALARM ON OR OFF

When activated, the alarm starts quietly, then gradually becomes louder. If no action is taken, the alarm will automatically snooze for 8 minutes, then sound once more before it turns off completely for the day.

To turn the Alarm on or off, press .

To snooze the alarm, press **SNOOZE**.

## RESET SYSTEM

The **RESET** button is located in the battery compartment. Press the button with the point of a blunt object (such as a ball point pen) whenever the clock is not behaving as expected. This will return all settings to default value.

## SAFETY AND CARE

Wash the unit with a slightly damp cloth and mild detergent. Avoid dropping the unit or placing it in a high-traffic location.


## WARNINGS

This product is designed to give you years of service if handled properly. Observe the following guidelines:

- Never immerse the unit in water. This can cause electrical shock and damage the unit.
- Do not subject the main unit to extreme force, shock, or fluctuations in temperature or humidity.
- Do not tamper with the internal components. Doing so will terminate the unit's warranty and may cause damage. The unit contains no user-serviceable parts.
- Do not mix new and old batteries or batteries of different types.
- Do not use rechargeable batteries with this product.
- Remove the batteries if storing this product for a long period of time.
- Do not scratch the LCD display.
- Read this instruction manual thoroughly before operating the unit.
- The contents of this user manual are subject to change without further notice.
- Images not drawn to scale.
- Do not make any changes or modifications to this product. Unauthorized changes may void your right to use the product.

## TROUBLE SHOOTING

Check here before contacting our customer service department.

Problem	Remedy
Alarm rings at same time every day	Press  to turn off the Daily Alarm.
No power or dim display	Check the batteries.
No continuous projection	Check the AC power adaptor. It should be plugged in.  Check the <b>PROJECTION ON</b> switch. It should be in the "On" position.
Strange date / time	Check the time zone and display language.

## SPECIFICATIONS

- Atomic Clock: Auto or Disabled (manual)
- Clock Display HH:MM:SS
- Operating temperature: 23°F to 122°F
- HiGlotm backlight source: Electroluminescence
- Battery type: 2 AA
- Power Adapter: 3.0V AC/DC Adapter

## ABOUT OREGON SCIENTIFIC

Visit our website ([www.oregonscientific.com](http://www.oregonscientific.com)) to learn more about Oregon Scientific products.

If you're in the US and would like to contact our Customer Care department directly, please visit:

[www2.oregonscientific.com/service/support.asp](http://www2.oregonscientific.com/service/support.asp)

For international inquiries, please visit: [www2.oregonscientific.com/about/international.asp](http://www2.oregonscientific.com/about/international.asp)



## FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

**WARNING:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

## DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please visit our website at [www2.oregonscientific.com/service](http://www2.oregonscientific.com/service) for all enquiries.

We

Name: Oregon Scientific, Inc.  
Address: 19861 SW  
95th Ave., Tualatin,  
Oregon 97062 USA  
Telephone No.: 1-800-853-8883

declare that the product

Product No.: RM313PNA  
Product Name: Projection Alarm Clock With *HiGlotm*™ Backlight  
Manufacturer: IDT Technology Limited  
Address: Block C, 9/F, Kaiser Estate, Phase 1, 41 Man Yue St., Hung Hom, Kowloon, Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.